REFERENCE   1

```
AN    93:138742  CA
TI    Enthalpies of mixing in a germanium-bismuth-tellurium system
AU    Vecher, A. A.; Zhuk, P. P.; Mechkovskii, L. A.; Skoropanov, A. S.
CS    Beloruss. Gos. Univ., Minsk, USSR
SO    Termodin. Svoistva Met. Rasplavov, Mater. Vses. Soveshch. Termodin. Met.
      Splavov (Rasplavy), 4th (1979), Volume 2, 24-5.  Editor(s): Kozin, L. F.
      Publisher: Izd. Nauka Kazakhskoi SSR, Alma-Ata, USSR.
      CODEN: 44BXAK
DT    Conference
LA    Russian
CC    69-1 (Thermodynamics, Thermochemistry, and Thermal Properties)
      Section cross-reference(s): 56
AB    The heats of alloying of the binary alloys Ge-Bi and ternary alloys
      Bi-Ge-Te were detd. by DTA at 1300 K.  For the binary system contg.
      15.3-95.3 at.% Ge, the values vary from 300 to 190 .+-. 5 cal/g. atom.
      The ternary systems of compn. 3:1, 1:1, and 1:3 (Te:Bi) were studied.  Law
      values of the mixing enthalpy indicate the possibility of formation of
      ternary compds.
ST    heat alloying bismuth germanium tellurium
IT    Heat of alloying
         (of bismuth-germanium and bismuth-germanium-tellurium)
IT    69137-02-6    74978-90-8
      RL: PEP (Physical, engineering or chemical process); PRP (Properties);
      PROC (Process)
         (heat of alloying of)
```

=> d his

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      (FILE 'HOME' ENTERED AT 17:21:54 ON 31 MAY 2005)

      FILE 'CAPLUS' ENTERED AT 17:22:00 ON 31 MAY 2005
L1           2 S US 2004-0106065/PN

      FILE 'REGISTRY' ENTERED AT 17:22:29 ON 31 MAY 2005

      FILE 'CAPLUS' ENTERED AT 17:22:39 ON 31 MAY 2005
L2            TRA L1 1- RN :         19 TERMS

      FILE 'REGISTRY' ENTERED AT 17:22:39 ON 31 MAY 2005
L3           19 SEA L2
L4           19 S L3 AND (BI OR BISMUTH)
L5           19 S L3

      FILE 'CAPLUS' ENTERED AT 17:23:18 ON 31 MAY 2005
L6            4 S L5

      FILE 'REGISTRY' ENTERED AT 17:23:53 ON 31 MAY 2005
L7         3467 S BI 3-10/MAC
L8         1050 S GE 41-46/MAC
L9          719 S TE 48-52/MAC
L10           2 S L7 AND L8 AND L9
L11        6096 S BI 2-30/MAC
L12        3304 S GE 22-47/MAC
L13        1234 S TE 47-55/MAC
L14          44 S L11 AND L12 AND L13
```

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JPO Abstracts Database
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Term:

```
us-2005064334-$.did. or wo-2004085167-$.did. or
jp-03058884-$.did. or jp-0220992-$.did. or jp-
02147288-$.did. or jp-02043088-$.did. or jp-
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Search History

DATE: Tuesday, May 31, 2005   Printable Copy   Create Case

Set Name (side by side)	Query	Hit Count	Set Name (result set)
	DB=USPT,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L17	us-2005064334-$.did. or wo-2004085167-$.did. or jp-03058884-$.did. or jp-0220992-$.did. or jp-02147288-$.did. or jp-02043088-$.did. or jp-02036994-$.did. or jp-01287836-$.did. or jp-62209741-$.did. or us-5278011-$.did.	15	L17
	DB=EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L16	L15 and 114	153	L16
L15	((optical or laser or information) near5 (medium or media or disk$1 or disc$1))	245679	L15
L14	113 near8 (ge or germanium)	735	L14
L13	(te or tellurium) near8 (bi or bismuth)	3694	L13
L12	(te or tellurium) near5 (bi or bismuth)	3283	L12
	DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR		
L11	L10 not 19	13	L11
L10	17 and (optical or laser or information)	22	L10
L9	17 same (optical or laser or information)	9	L9
L8	(L5 or 12) same (bi or bismuth or bi.sub$5)	26	L8

L7   (L4 or l3) same (bi or bismuth)   127   L7

L6   (L5 or l2) same (bi or bismuth)   17   L6

L5   "te.sub.0.47" or "te.sub.0.48" or "te.sub.0.49" or "te.sub.0.50" or "te.sub.0.51"   29   L5
      or "te.sub.0.52" or "te.sub.0.53" or "te.sub.0.54" or "te.sub.0.55"

L4   te near5 (0.47$2 or 0.48$2 or 0.49$2 or 0.50$2 or 0.51$2 or 0.52$2 or 0.53$2   412   L4
      or 0.54$2 or 0.55$2)

L3   te near5 (47.$2 or 48.$2 or 49.$2 or 50.$2 or 51.$2 or 52.$2 or 53.$2 or 54.$2   440   L3
      or 55.$2)

L2   "te.sub.47" or "te.sub.48" or "te.sub.49" or "te.sub.50" or "te.sub.51" or   176   L2
      "te.sub.52" or "te.sub.53" or "te.sub.54" or "te.sub.55"

L1   us-20040106065-$.did.   2   L1

END OF SEARCH HISTORY